

WHAT IS CLAIMED IS:

1. A fuel delivery system for a motorcycle including an engine having a combustion chamber, the fuel delivery system comprising a fuel injector configured to deliver a fuel charge to an intake passage communicating with the combustion chamber, the motorcycle including an air box defining a plenum chamber, an inlet duct defining at least a portion of the intake passage, the inlet duct further defining an opening of the intake passage disposed within the plenum chamber, a spray axis of the fuel injector being parallel to an axis of the inlet duct, and wherein the fuel injector is supported by the air box.

2. The fuel delivery system of Claim 1, wherein the air box comprises a first member and a second member, the second member being removable from the first member, the intake passage passing through the first member and the fuel injector being supported by the second member.

3. The fuel delivery system of Claim 1, wherein the fuel injector is mounted to the air box by a bracket, the bracket defining a portion of a fuel conduit supplying fuel to the fuel injector.

4. The fuel delivery system of Claim 1, wherein the spray axis of the fuel injector is coaxial with the axis of the inlet duct.

5. The fuel delivery system of Claim 1, wherein the fuel injector is a secondary fuel injector, and the fuel delivery system additionally comprises a primary fuel injector positioned downstream from the secondary fuel injector relative to flow of air through the intake passage.

6. The fuel delivery system of Claim 1, wherein the engine of the motorcycle comprises a plurality of combustion chambers, and the fuel delivery system comprises a plurality of fuel injectors, each one of said plurality of fuel injectors being associated with one of said plurality of combustion chambers.

7. A motorcycle comprising a frame assembly, an internal combustion engine supported by the frame assembly and defining at least one combustion chamber, an air intake system configured to guide air to the internal combustion engine, and a fuel delivery system configured to deliver fuel to the internal combustion engine, the air intake system comprising an air box defining a plenum chamber, an intake passage communicating with the at least one

combustion chamber, at least a portion of the intake passage defining an axis, the intake passage further defining an opening to the intake passage disposed within the plenum chamber, the fuel delivery system comprising a fuel injector configured to deliver a fuel charge to the intake passage, a spray axis of the fuel injector being parallel to the axis of the intake passage, wherein the fuel injector is supported by the air box.

8. The motorcycle of Claim 7, wherein the air box comprises a first member and a second member, the second member being removable from the first member, the intake passage passing through the first member and the fuel injector being supported by the second member.

9. The motorcycle of Claim 7, wherein the fuel injector is mounted to the air box by a bracket, the bracket defining a portion of a fuel conduit supplying fuel to the fuel injector.

10. The motorcycle of Claim 7, wherein the spray axis of the fuel injector is coaxial with the axis of the inlet duct.

11. The motorcycle of Claim 7, wherein the fuel injector is a secondary fuel injector, and the motorcycle additionally comprises a primary fuel injector positioned downstream from the secondary fuel injector relative to flow of air through the intake passage.

12. The motorcycle of Claim 11, wherein the primary fuel injector is disposed outside of the air box.

13. The motorcycle of Claim 7, additionally comprising a fuel tank supported by the frame assembly, wherein the air box is positioned beneath the fuel tank.

14. The motorcycle of Claim 13, wherein the air box is positioned at least partially within a recess defined by a lower surface of the fuel tank.

15. A motorcycle comprising a frame assembly, an internal combustion engine supported by the frame assembly and defining at least one combustion chamber, an air intake system configured to guide air to the internal combustion engine, and a fuel delivery system configured to deliver fuel to the internal combustion engine, the air intake system comprising an air box defining a plenum chamber, an intake passage communicating with the at least one combustion chamber, the fuel delivery system comprising fuel tank, a fuel pump and a fuel

injector, the fuel pump being configured to supply fuel from the fuel tank to the fuel injector through a fuel delivery conduit, the fuel injector being configured to deliver a fuel charge to the intake passage and being supported by the air box, the fuel delivery conduit comprising a first conduit section and a second conduit section extending between the fuel tank and the fuel injector, wherein the first conduit section and the second conduit section are connected to one another by a toolless coupler.

16. The motorcycle of Claim 15, wherein the air box comprises a first member and a second member, the second member being removable from the first member, the intake passage passing through the first member and the fuel injector being supported by the second member.

17. The motorcycle of Claim 15, wherein the first conduit section is connected to the fuel tank and the second conduit section is connected to the fuel injector.